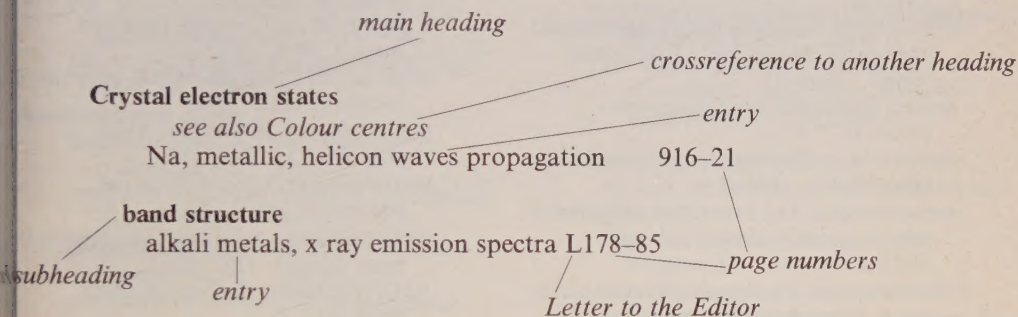


Subject index

Introduction

The entries in this index refer to the papers by their page number. The entries are grouped together under headings (printed in bold type eg **Hall effect**). If a heading for a particular subject does not appear, the subject may be in the form of a crossreference to another heading, perhaps of a more general nature. Some of the headings are subdivided by the use of subheadings, which are indented (ie printed slightly to the right) and commence with a small letter.

The information contained in the subject index is illustrated by the following example:



Associated with the subheading 'band structure' is a 'see' crossreference as follows:

Band structure *see* **Crystal electron states/band structure**

This means that for papers on 'band structure' the reader should consult the subheading 'band structure' of 'Crystal electron states' as displayed above.

Arrangement of headings and subheadings

The headings and crossreferences are arranged throughout the index in alphabetical order according to the 'word by word' system. The subheadings are themselves arranged in alphabetical order under their respective headings.

Arrangement of entries under headings

Entries are arranged in three distinct groups as follows:

- First group: arabic numerals
- Second group: English alphabet (A-Z), roman numerals, Greek alphabet, elementary particle symbols eg μ for muon, p for proton
- Third group: chemical formulae (including entries beginning with nuclei eg ^{57}Fe)

Nuclei, elements, compounds and other substances

Papers on nuclei whose mass number (or mass number range) is given are listed under a set of headings which begin 'Nuclei with . . . ' eg Nuclei with $6 \leq A \leq 19$ where A is the mass number.

Papers on elements are grouped under headings of the given element eg 'Sodium', and inorganic compounds under appropriate compound headings eg AgCl under 'Silver compounds'.

Alloys are grouped under compounds of named constituents eg Au-Ag alloys under 'Gold compounds' and 'Silver compounds'. There are also four special headings for the common alloys: 'Aluminium alloys', 'Copper alloys', 'Iron alloys', 'Nickel alloys'.

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